

Cech et al.

Application No.: 08/974,584

Page 6

In claim 3, line 16 (line 6 of the claim), delete "61,".

In claim 3, line 16 (line 6 of the claim), delete "68" and insert --69--.

In claim 3, line 17 (line 7 of the claim), delete "(c)" and insert --(b)--.

In claim 3, line 18 (line 8 of the claim), delete "61,".

In claim 3, line 18 (line 8 of the claim), delete "68" and insert --69--.

In claim 4, line 21 (line 2 of the claim), delete "61,".

In claim 4, line 21 (line 2 of the claim), delete "68" and insert --69--.

In claim 6, line 28 (line 3 of the claim), delete "69" and insert --68--.

In claim 11, line 16, (line 3 of the claim), delete "the DNA having" and insert --a polypeptide comprising--.

In claim 11, line 16, (line 3 of the claim), delete "61,".

In claim 11, line 17 (line 4 of the claim), delete "68" and insert --69--.

In claim 15, line 11 (line 3 of the claim), delete "61,".

In claim 15, line 11 (line 3 of the claim), delete "68" and insert --69--.

In claim 16, line 13 (line 1 of the claim), delete "19,".

In claim 16, line 14 (line 2 of the claim), delete "69" and insert --68--.

In claim 17, line 17 (2 of the claim), delete "and that" and insert --wherein the protein--.

In claim 17, line 18 (3 of the claim), delete "61,".

In claim 17, line 18 (line 3 of the claim), delete "68" and insert --69--.

In claim 18, line 21, after "acid" insert --having a--.

In claim 18, line 22 (line 3 of the claim), delete "61,".

In claim 18, line 22 (line 3 of the claim), delete "68" and insert --69--.

In claim 34, line 19 (line 4 of the claim), delete "61,".

In claim 34, line 19 (line 4 of the claim), delete "68" and insert --69--.

In claim 62, line 17 (line 2 of the claim), delete "19,".

In claim 62, line 18 (line 3 of the claim), delete "69" and insert --68--.

In claim 76, line 17 (line 2 of the claim), after "encoded by" insert --a nucleic acid having a sequence as set forth in--.

Cech et al.

Application No.: 08/974,584

Page 7

In claim 76, line 17 (line 2 of the claim), delete "19,".

In claim 76, line 17 (line 2 of the claim), delete "69" and insert --68--.

In claim 86, line 14, (line 3 of the claim), delete

"AA₁-AA₂-AA₃-AA₄-AA₅-AA₆-AA₇-AA₈.AA₉-AA₁₀-AA₁₁.AA₁₂-AA₁₃" and insert
--AA₁-AA₂-AA₃-AA₄-AA₅-AA₆-AA₇-AA₈-AA₉-AA₁₀-AA₁₁-AA₁₂-AA₁₃ (SEQ ID NO:464)--.

In claim 86, lines 14 to 15 (lines 3 and 4 of the claim), delete

"AA₁₄-AA₁₅-AA₁₆-AA₁₇-AA₁₈-AA₁₉-AA₂₀-AA₂₁.AA₂₂-AA₂₃-AA₂₄-AA₂₅.AA₂₆" and insert
--AA₁₄-AA₁₅-AA₁₆-AA₁₇-AA₁₈-AA₁₉-AA₂₀-AA₂₁-AA₂₂-AA₂₃-AA₂₄-AA₂₅-AA₂₆
(SEQ ID NO:465)--.

In claim 86, lines 15 to 16 (lines 4 and 5 of the claim), delete

"AA₂₇-AA₂₈-AA₂₉-AA₃₀-AA₃₁-AA₃₂-AA₃₃.AA₃₄-AA₃₅-AA₃₆," and insert
--AA₂₇-AA₂₈-AA₂₉-AA₃₀-AA₃₁-AA₃₂-AA₃₃-AA₃₄-AA₃₅-AA₃₆ (SEQ ID NO:466);--.

In claim 86, lines 16 to 17 (lines 5 and 6 of the claim), delete

"AA₃₇-AA₃₈-AA₃₉-AA₄₀-AA₄₁-AA₄₂-AA₄₃.AA₄₄", and insert
--AA₃₇-AA₃₈-AA₃₉-AA₄₀-AA₄₁-AA₄₂-AA₄₃-AA₄₄ (SEQ ID NO:467)--.

In claim 86, line 17 (line 6 of the claim), delete

"AA₄₅-AA₄₆-AA₄₇-AA₄₈-AA₄₉-AA₅₀-AA₅₁.AA₅₂" and insert
--AA₄₅-AA₄₆-AA₄₇-AA₄₈-AA₄₉-AA₅₀-AA₅₁-AA₅₂ (SEQ ID NO:468)--.

In claim 87, line 11 (line 3 of the claim), delete

"AA₁-AA₂-AA₃-AA₄-AA₅-AA₆-AA₇-AA₈.AA₉-AA₁₀-AA₁₁.AA₁₂-AA₁₃." and insert
--AA₁-AA₂-AA₃-AA₄-AA₅-AA₆-AA₇-AA₈-AA₉-AA₁₀-AA₁₁-AA₁₂-AA₁₃ (SEQ ID NO:464)--.

In claim 88, line 19 (line 7 of the claim), insert --(SEQ ID NO:469)-- after
"amino acid".

In claim 89, line 25 (line 5 of the claim), insert --(SEQ ID NO:470)-- after "or
valine".

In claim 92, line 7 (line 4 of the claim), insert --(SEQ ID NOS:16 and 17)-- after
"Trp-R₁-X₇-R₁-R₂-X-Phe-Phe-Tyr-X-Thr-Glu-X₈₋₉-R₃-R₃-Arg-R₄-X₂-Trp".

In claim 93, line 15 (line 4 of the claim), insert --(SEQ ID NOS:16 and 17)--
after

Cech et al.

Application No.: 08/974,584

Page 8

"Trp-R₁-X₇-R₁-R₁-R₂-X-Phe-Phe-Tyr-X-Thr-Glu-X₈₋₉-R₃-R₃-Arg-R₄-X₂-Trp".

In claim 95, page 216, line 1 (line 4 of the claim), delete

"W-X₁₂-FFY-X-T-E-X₁₀₋₁₁-R-X₃-W-X₇-I", and insert --W-X₁₂-FFY-X-T-E-X₁₀₋₁₁-R-X₃-W-X₇-I (SEQ ID NOS:119 and 120)--.

In claim 95, page 216, line 2 (line 5 of the claim), insert --(SEQ ID NO:473)-- after "W-L-X-Y-X-X-h-h-X-h-h-X-p-F-F-Y-X-T-E-X-p-X-X-X-p-X-X-X-Y-X-R-K-X-X-W".

In claim 95, page 216, line 3 (line 6 of the claim), insert --(SEQ ID NO:121)-- after "E-X₂-V-X".

In claim 95, page 216, line 4 (line 7 of the claim), after "h-R-h-X-P-K" insert --(SEQ ID NO:478)-- .

In claim 95, page 216, line 4 (line 7 of the claim), insert --(SEQ ID NO:139)-- after "X₃-R-X₂-P-K-X₃".

In claim 95, page 216, line 5 (line 8 of the claim), insert --(SEQ ID NO:143) or (F/L)-R-h-I-X₂-h (SEQ ID NO:479)-- after "X-R-X-I-X".

In claim 95, page 216, line 6 (line 9 of the claim), after "X₄-F-X₃-D-X₄-Y-D-X₂," insert --(SEQ ID NO:144)--.

In claim 95, page 216, line 7 (line 10 of the claim), insert --(SEQ ID NO:480)-- after "P-X-L-Y-F-h-X-h-D-h-X₂-C-Y-D-X-I".

In claim 95, page 216, line 8 (line 11 of the claim), after "Y-X₄-G-X₂-Q-G-X₃-S-X₈" insert --(SEQ ID NO:146)--.

In claim 95, page 216, line 9 (line 12 of the claim), insert --(SEQ ID NO:474)-- after "K-X-Y-X-Q-X₂-G-I-P-Q-G-S-X-L-S-X-h-L".

In claim 95, page 216, line 10 (line 13 of the claim), after "X₆-D-D-X-L-X₃," insert --(SEQ ID NO:147)-- .

In claim 95, page 216, line 9 (line 14 of the claim), insert --(SEQ ID NO:481)-- after "L-L-R-L-X-D-D-X-L-h-I-T".

In claim 96, page 216, lines 17 and 18 (lines 3 and 4 of the claim), delete "W(L/I)XXXXhhXhh(Q/R)XFFYXTEXXXXXXXXXX(F/Y)(F/Y)RXXXWXX(L/I)X XHXIXXXX(K/M)" and insert

Cech et al.

Application No.: 08/974,584

Page 9

--W(L/I)XXXXhhXhh(Q/R)XFFYXTEXXXXXXXX(F/Y)(F/Y)RXXXWXX(L/I)X
XHXIXXXX(K/M) (SEQ ID NO:471)--.

In claim 97, page 216, line 22 (line 2 of the claim) after "FFYXTE" insert --
(SEQ ID NO:71)--.

In claim 98, page 216, line 26 (line 2 of the claim) after "hRhIPK" insert --
(SEQ ID NO:367)--.

In claim 99, line 3, insert --(SEQ ID NO:472)-- after "hXXXXhRhIPK".

In claim 100, line 3, insert --(SEQ ID NO:474)-- after
"KXYXQXXGIPQGSXLSXhLXXhXYXDL".

In claim 101, line 3, delete "(L/I)L(R/K)(L/V)XDD(F/Y)Lh(I/V)(T/S)" and
insert --(L/I)(L/M)(R/K)(L/V)XDD(F/Y)Lh(I/V)(T/S) (SEQ ID NO:475)--.

REMARKS

STATUS OF THE CLAIMS

Responsive to the Election/Restriction Requirement Office Action mailed September 30, 1998, Applicants (in a response dated March __, 1999) elected Group II, Claims 11 to 18, 36, 37, 40 to 43, 47, 52 to 65, 70 to 73, 91 and 93, drawn to polynucleotides encoding TRT, variants or fragments; hybridization assays for the detection of polynucleotides encoding TRT, variants or fragments; expression vectors; host cells; and pharmaceutical compositions. For the Examiner's convenience, a copy of the pending claims *after* entry of the instant amendment is attached as Appendix A.

SUPPORT FOR THE CLAIM AMENDMENTS

Support for the amendment to the sequence
"(L/I)L(R/K)(L/V)XDD(F/Y)Lh(I/V)(T/S) (SEQ ID NO:475)" (emphasis added), on page 27, line 24, and claim 101, page 217, line12 (line 3 of the claim), is found in the Motif C regions of Figures 41, 48, 55, and 57C. In each instance, the amino acids found four residues prior to the "DD" common to Motif C are either "L" (in three cases), or "M" (in one case). This can be compared and contrasted to the similar situations at amino acids 5, 3 and 2 residues prior to the common "DD" of Motif C, represented by "(L/I)", "(R/K)", and "(L/V)", respectively. Each